



The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

04/07/2011

Abigail Holland  
Assistant District Attorney, Suffolk County

Dear ADA Holland,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Stacey Desjardins.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Desjardins was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

  
Annie Khan (Dookhan)  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631  
[Annie.Khan@state.ma.us](mailto:Annie.Khan@state.ma.us)



## **DRUG RECEIPT**

CC # \_\_\_\_\_  
BOOK # 64  
PAGE # 85  
DESTRUCTION # \_\_\_\_\_

District/Unit S-4 DCU

Name & Rank of Arresting Officer Sgt. Det. Jheenan ID# 10652

**To be completed by ECU personnel only**

Name and Rank of Submitting Officer

el only  
POB M. S. H.  
9/10

ID# 10740

Received by \_\_\_\_\_

Date 4-7-10

ECU Control #

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\* Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# **Stacey Lyn Desjardins**

[REDACTED]  
stacey.feiden@state.ma.us

<b>EDUCATION</b>	<b>Master of Science—Forensic Science</b> University of New Haven; West Haven, Connecticut May 2006 <ul style="list-style-type: none"><li>• Concentration: Criminalistics</li><li>• Certificate: Advanced Investigation</li></ul>
	<b>Bachelor of Arts—Chemistry</b> Monmouth College; Monmouth, Illinois May 2004 <ul style="list-style-type: none"><li>• Graduated Cum Laude</li></ul>
<b>EXPERIENCE</b>	<b>Chemist I</b> Massachusetts Department of Public Health; Jamaica Plain, Massachusetts March 2009-present <ul style="list-style-type: none"><li>• Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies</li><li>• Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)</li><li>• Provide expert testimony to local, state, and federal courts in Massachusetts</li></ul>
	<b>Teaching/Graduate Assistant</b> Monmouth College Chemistry Department University of New Haven Forensic Science Department January 2001-May 2006 <ul style="list-style-type: none"><li>• Supervised labs and answered student questions</li><li>• Performed demonstrations using forensic techniques and chemicals</li></ul>
	<b>Additional work experience and references available upon request</b>
<b>TRAINING</b>	2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends  2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst  2005: Internship with the New Hampshire State Crime Lab
<b>COURSEWORK</b>	Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry

No. [REDACTED]

Date Analyzed:

City: Boston D.C.U. Police Dept.

4-22-10

Officer: P.O. Roseanne Atkins-Tyler

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 04/07/2010

No. Analyzed: 1

Gross Wt.: 1.86

Net Weight: 0.11g

# Tests: 6 SLF

• DJR

(K) Prelim: COCAINE Findings: Cocaine

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY BOSTONANALYST BLFNo. of samples tested: 1

Evidence Wt.

✓

PHYSICAL DESCRIPTION: -signed & sealed Gross Wt (2): 0.5158g  
-off white chunky substance Gross Wt (1): 0.2568g  
in 2 pbs Pkg. Wt: 0.1400g  
Net Wt: 0.1168g

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate ( ) H+ ⊕  
Marquis ( )  
Froehde's ( )  
Mecke's ( )

### Microcrystalline Tests

Gold Chloride ( ) ⊕  
TLTA ( ) H+ ⊕

### OTHER TESTS

( )  
( )  
( )

## PRELIMINARY TEST RESULTS

RESULTS cocaine  
DATE 4-16-10  
(K)

## GC/MS CONFIRMATORY TEST

RESULTS cocaine  
MS OPERATOR DJR  
DATE 4-22-10

Revised 7/2005

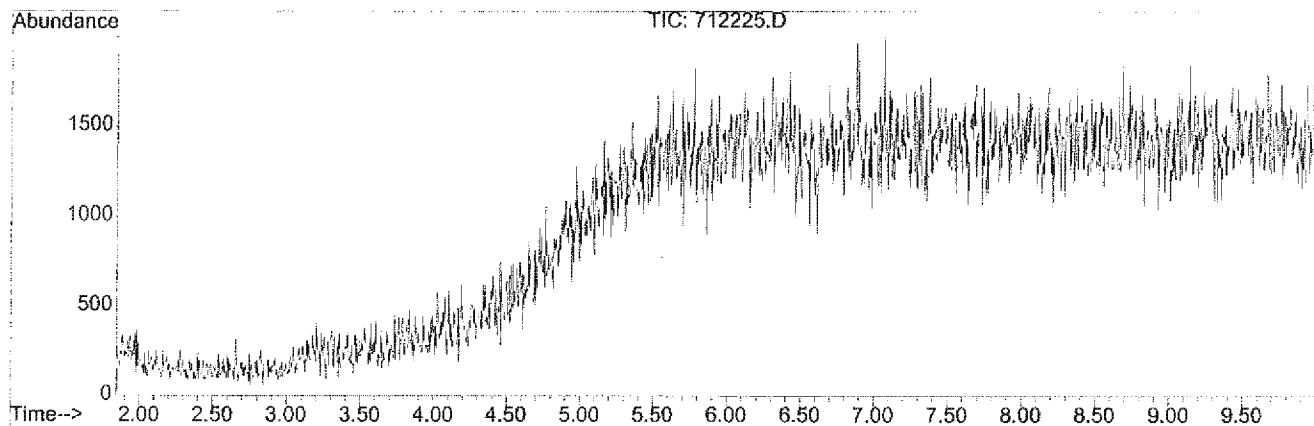
Area Percent / Library Search Report

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Date Acquired : 21 Apr 2010 14:14  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓PSJ  
4-7-11



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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

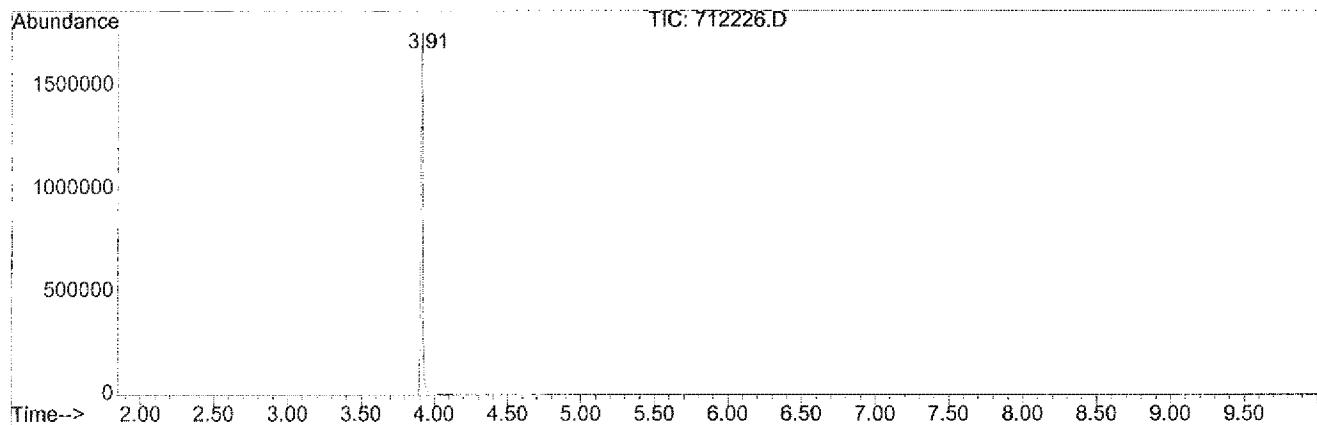
# Area Percent / Library Search Report

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Information from Data File:

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Date Acquired : 21 Apr 2010 14:28  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 26  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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# Area Percent / Library Search Report

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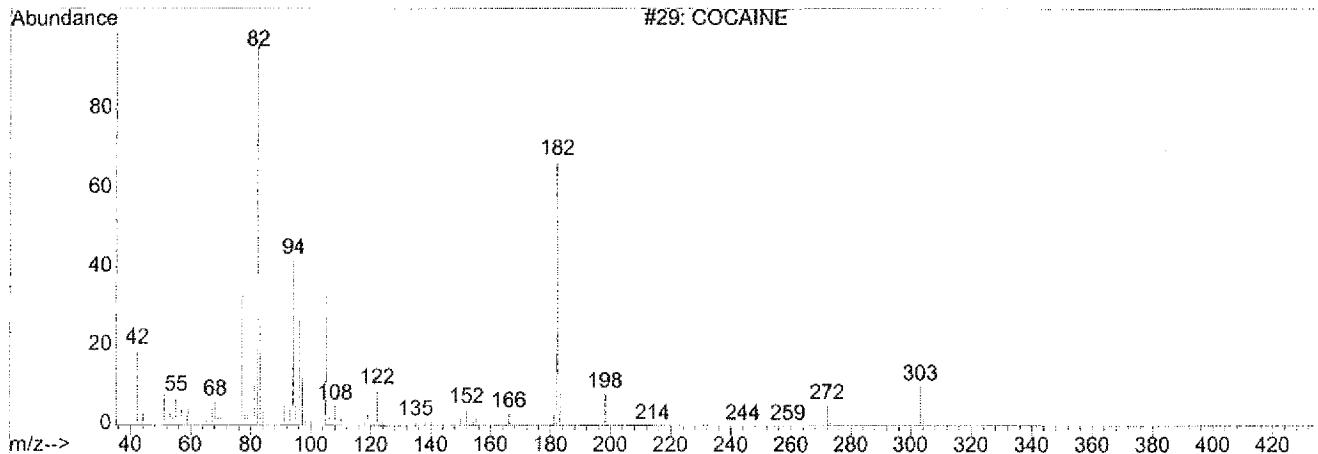
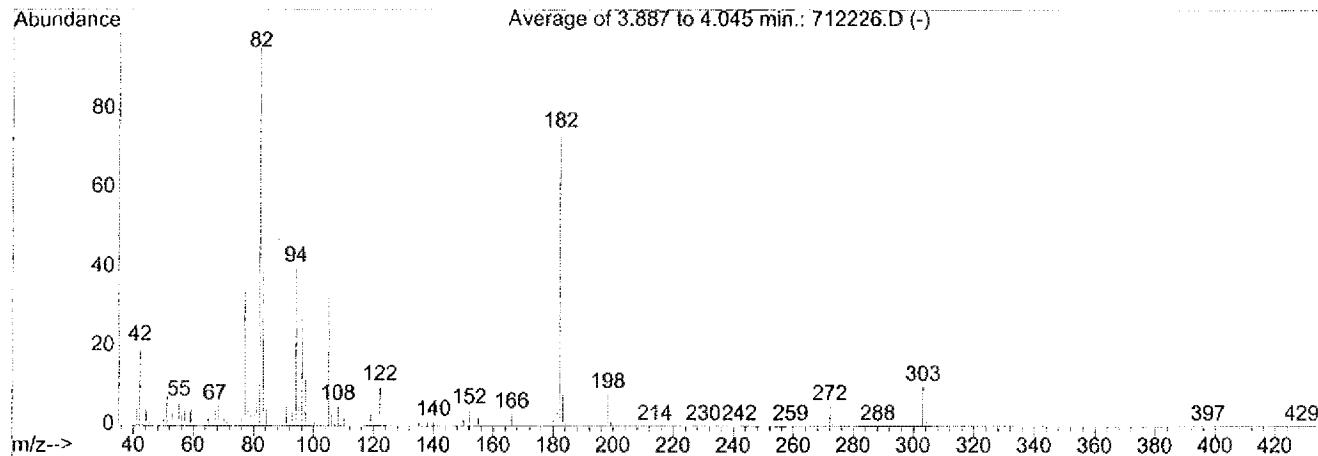
**Information from Data File:**

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Operator : DJR  
Date Acquired : 21 Apr 2010 14:28  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 26  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.91	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



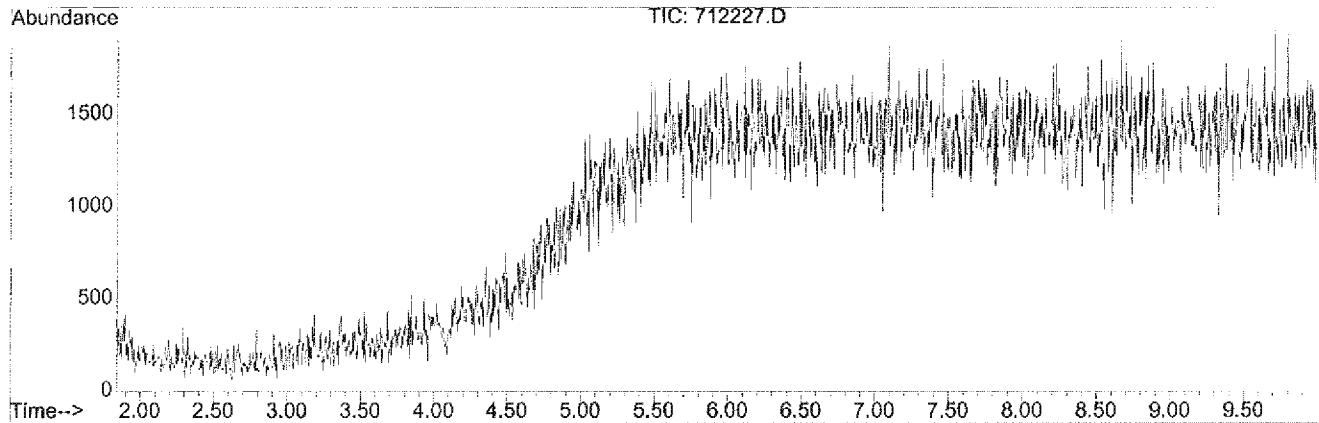
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Operator : DJR  
Date Acquired : 21 Apr 2010 14:42  
Sample Name : BLANK  
Submitted by : SLF  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

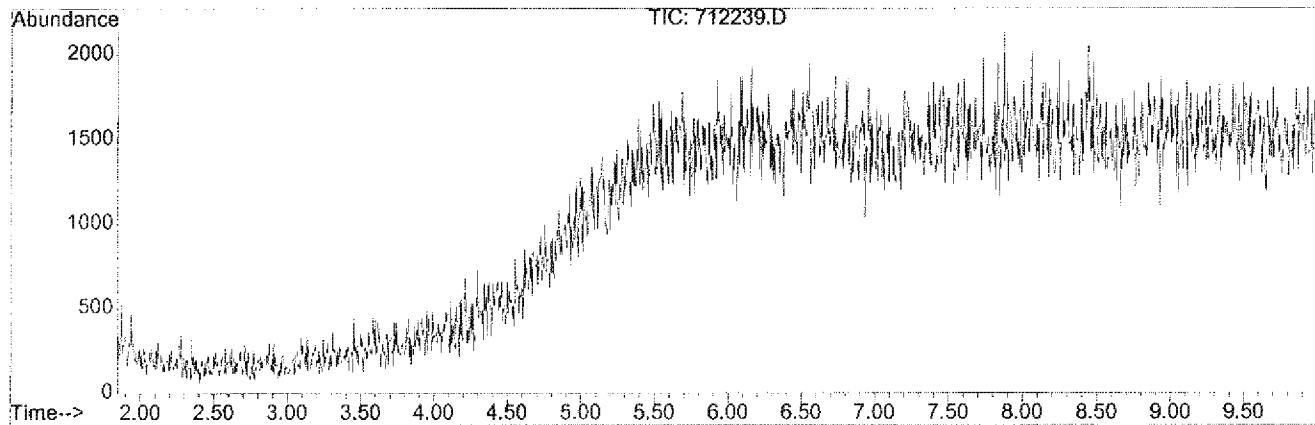
# Area Percent / Library Search Report

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Operator : DJR  
Date Acquired : 21 Apr 2010 17:26  
Sample Name : BLANK  
Submitted by : SLF  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

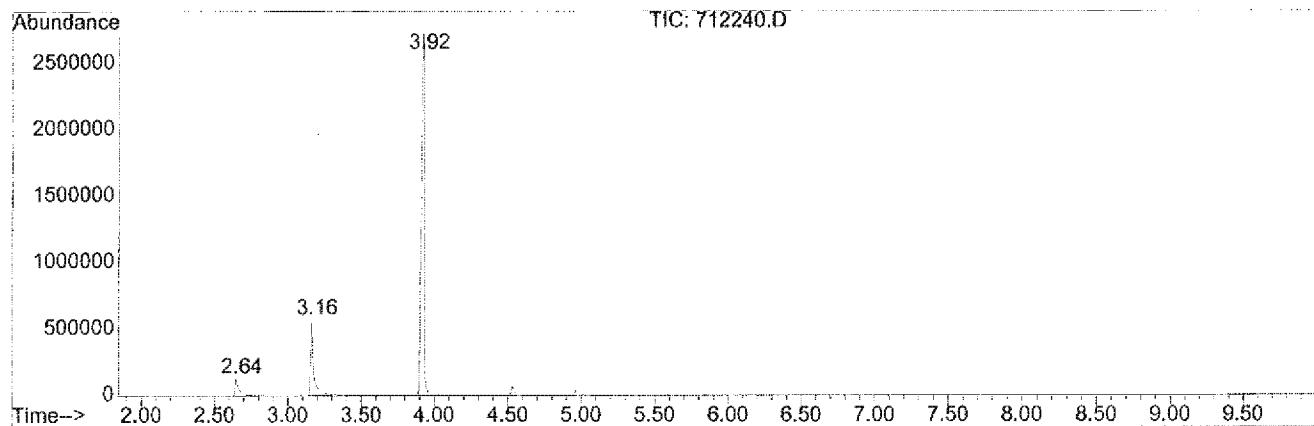
# Area Percent / Library Search Report

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File Name : F:\Q2-2010\SYSTEM4\04\_21\_10\712240.D  
Operator : DJR  
Date Acquired : 21 Apr 2010 17:40  
Sample Name : XXXXXXXXXX  
Submitted by : SLF  
Vial Number : 40  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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3.158	811369	16.36	20.67
3.919	3926224	79.15	100.00

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# Area Percent / Library Search Report

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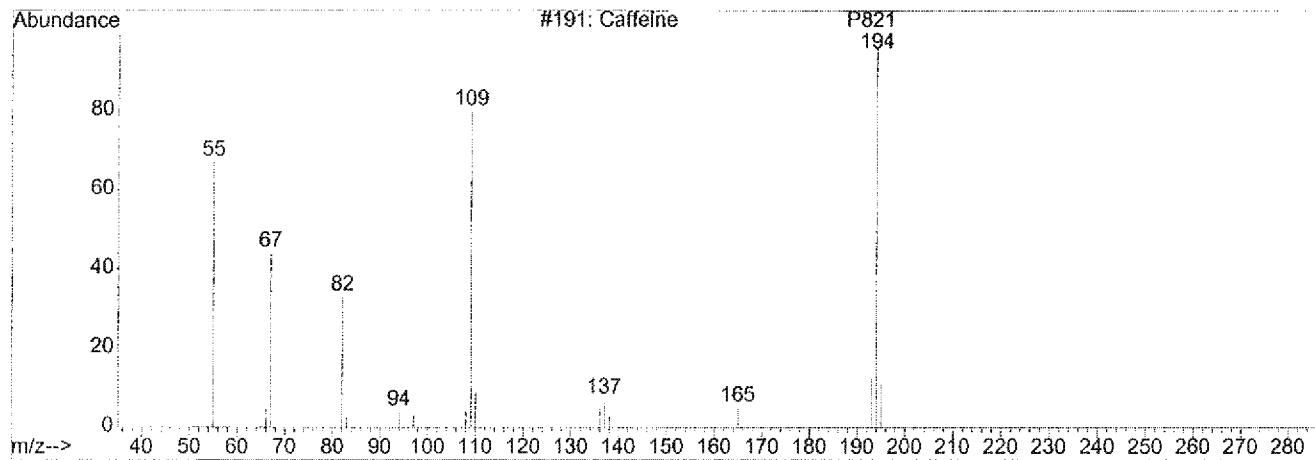
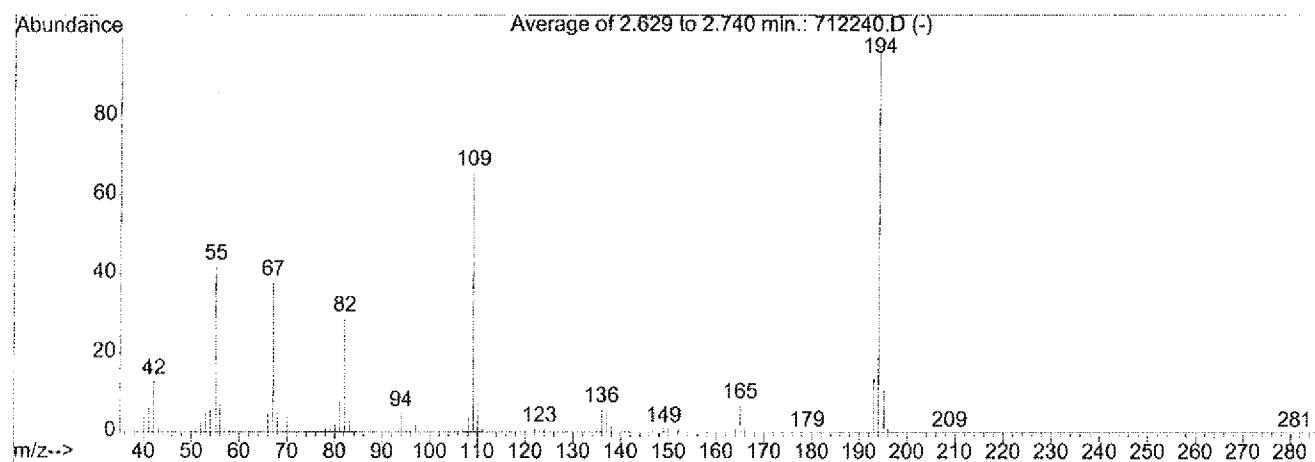
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Operator : DJR  
Date Acquired : 21 Apr 2010 17:40  
Sample Name : XXXXXXXXXX  
Submitted by : SLF  
Vial Number : 40  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	2.64	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	97
		Endogenous biomolecule 2AC	000000-00-0	9
		Mescaline AC	000000-00-0	4



# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q2-2010\SYSTEM4\04\_21\_10\712240.D  
Operator : DJR  
Date Acquired : 21 Apr 2010 17:40  
Sample Name : XXXXXXXXXX  
Submitted by : SLF  
Vial Number : 40  
AcquisitionMeth: DRUGS  
Integrator : RTE

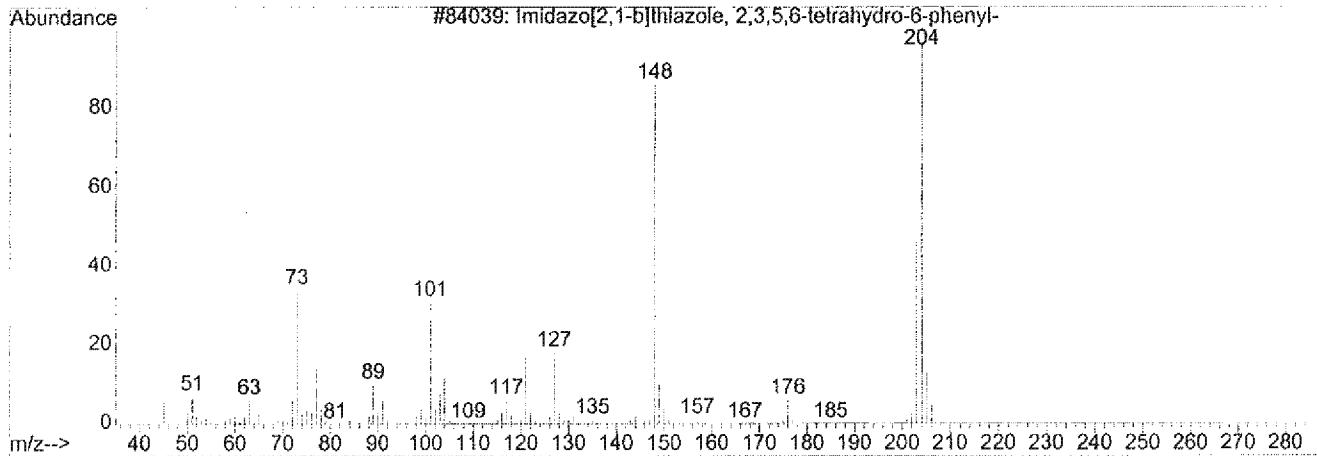
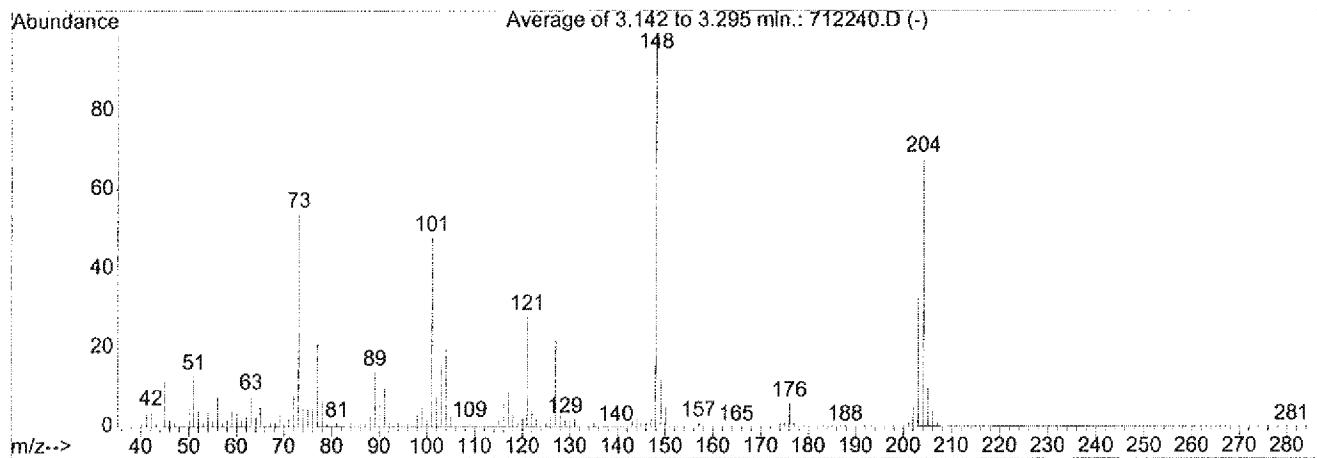
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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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PK#	RT	Library/ID	CAS#	Qual
2	3.16	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98

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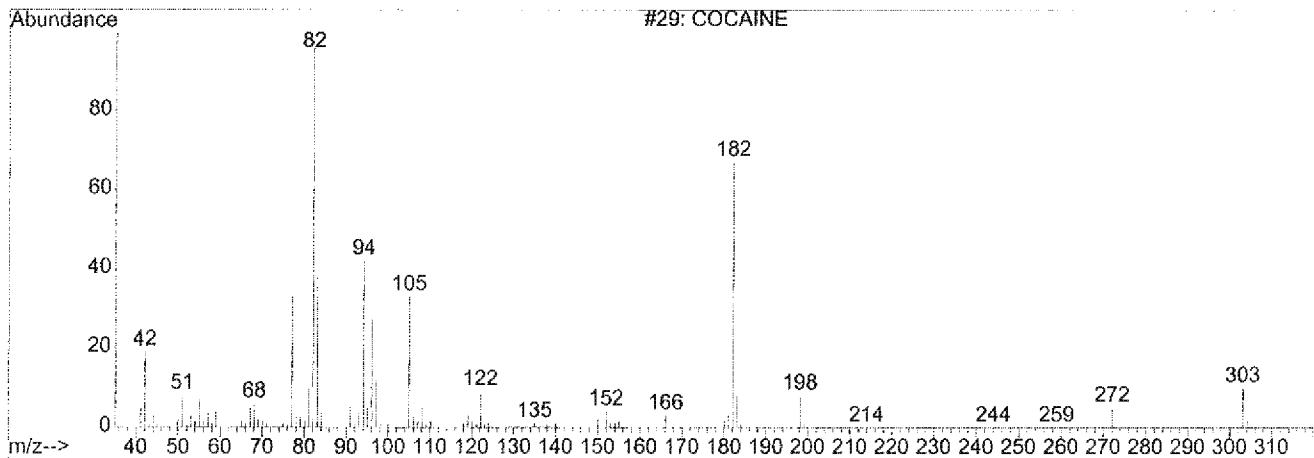
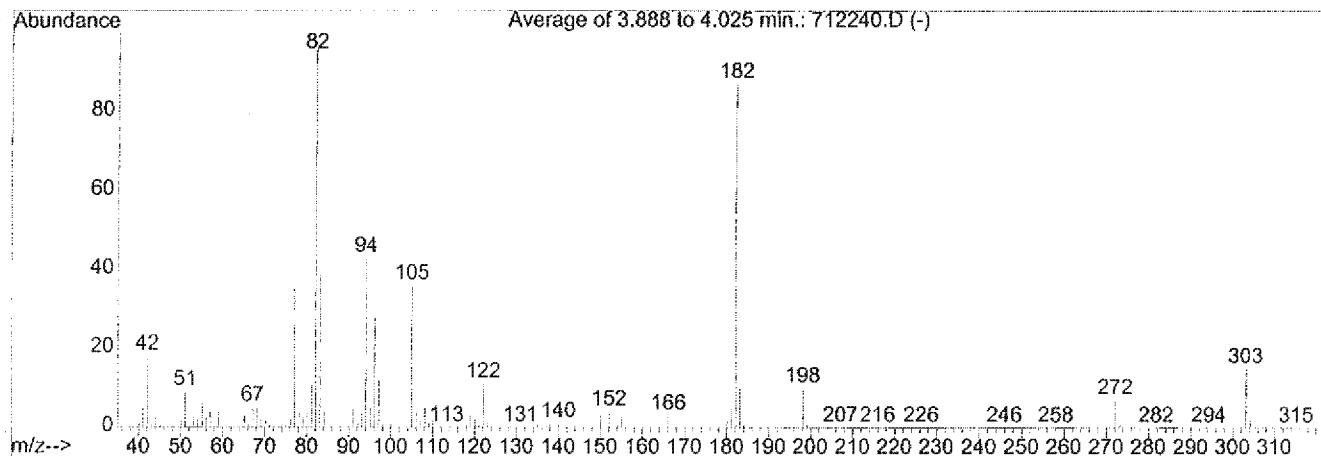
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q2-2010\SYSTEM4\04\_21\_10\712240.D  
Operator : DJR  
Date Acquired : 21 Apr 2010 17:40  
Sample Name : XXXXXXXXXX  
Submitted by : SLF  
Vial Number : 40  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
3	3.92	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



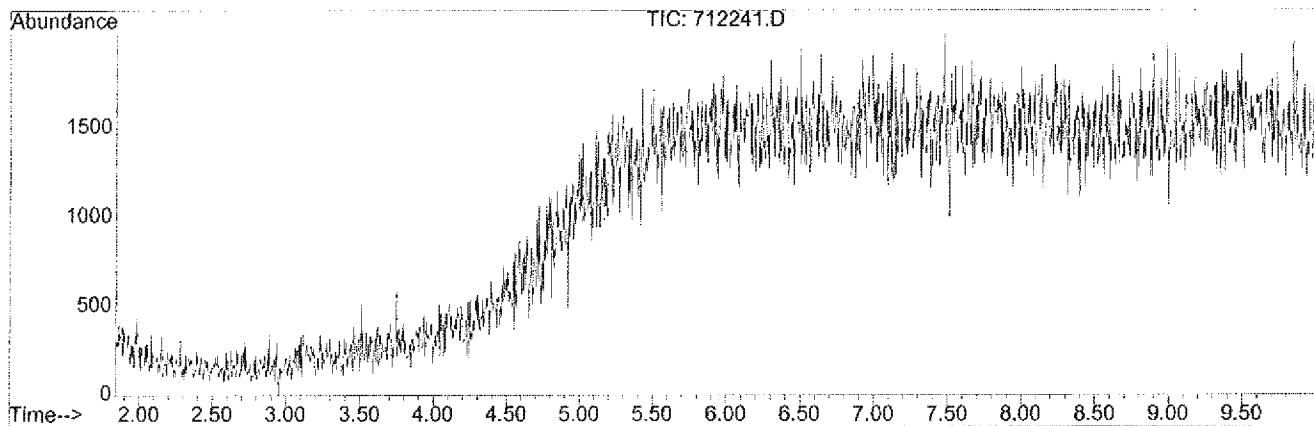
# Area Percent / Library Search Report

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Operator : DJR  
Date Acquired : 21 Apr 2010 17:54  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

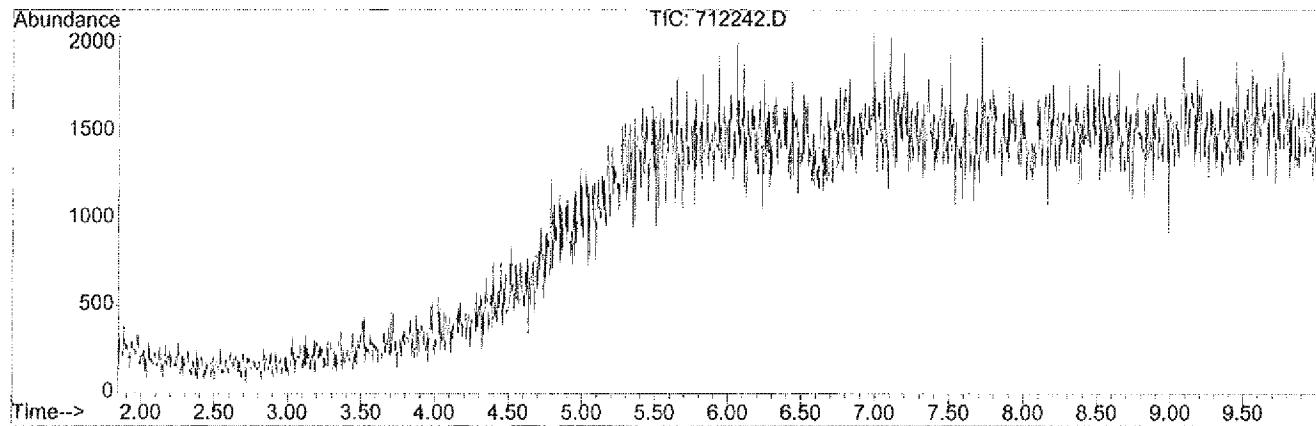
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\04\_21\_10\712242.D  
Operator : DJR  
Date Acquired : 21 Apr 2010 18:07  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

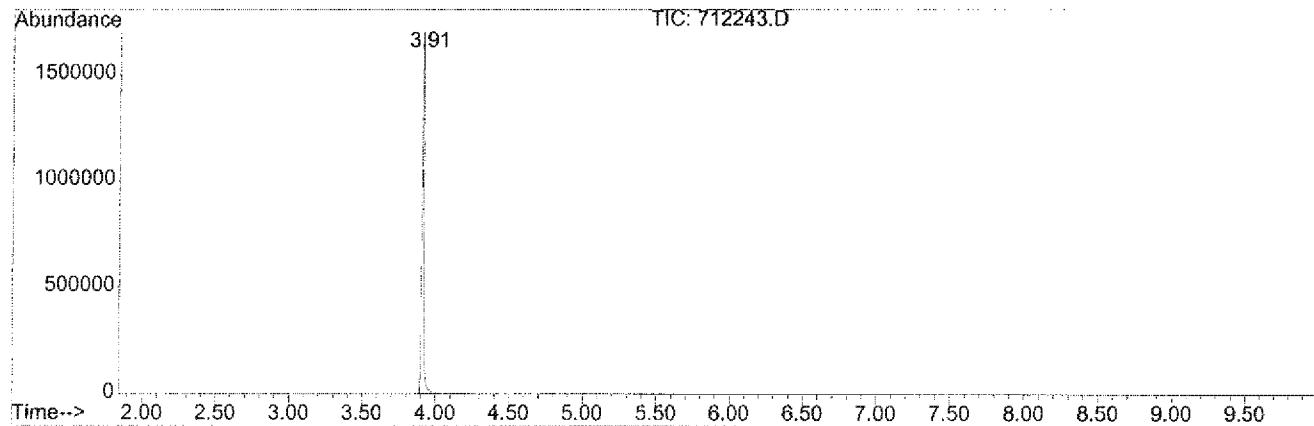
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\04\_21\_10\712243.D  
Operator : DJR  
Date Acquired : 21 Apr 2010 18:21  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 43  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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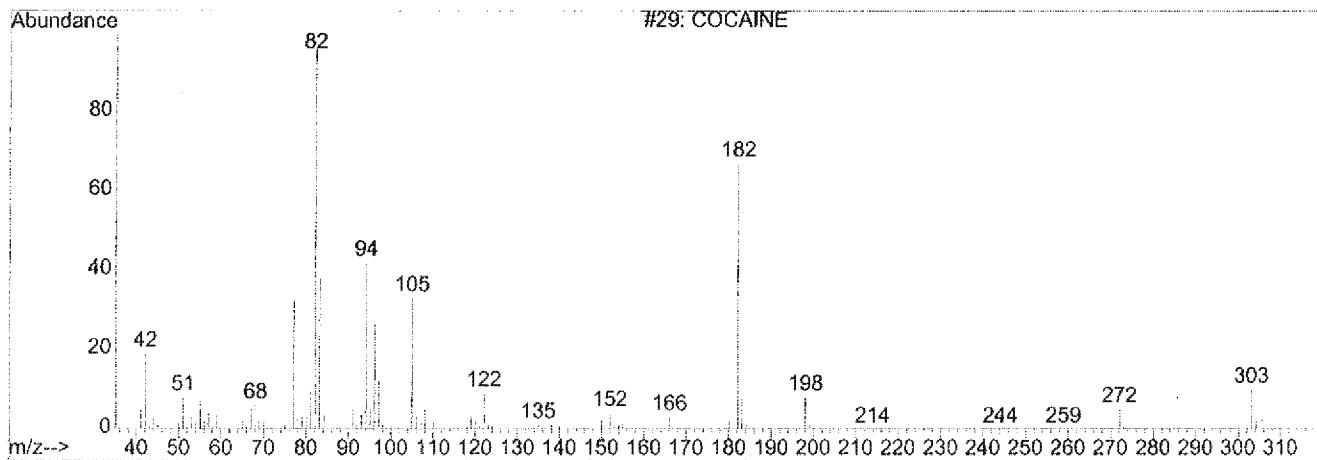
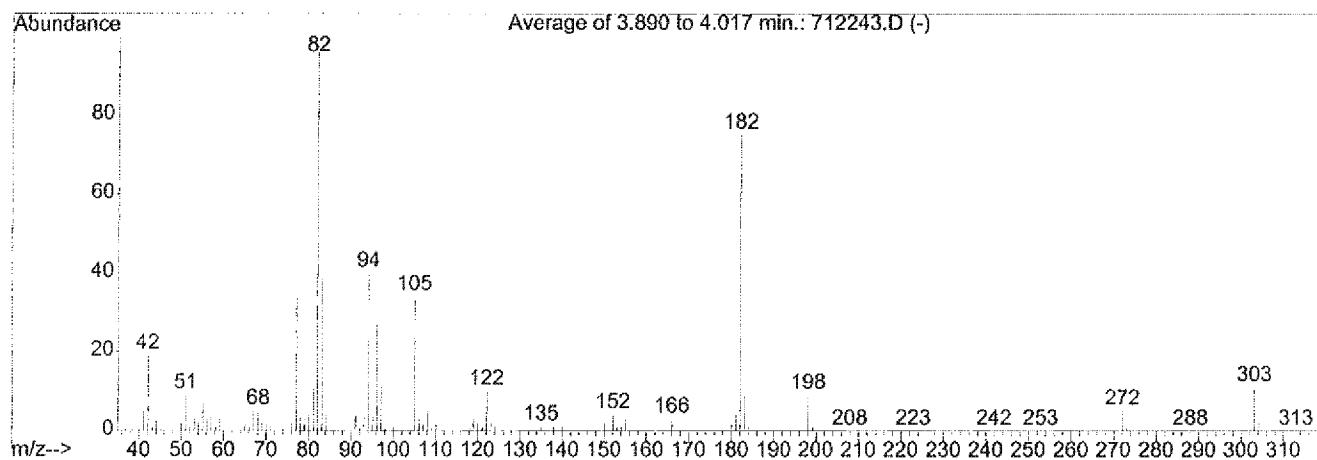
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**Information from Data File:**

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Operator : DJR  
Date Acquired : 21 Apr 2010 18:21  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 43  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.91	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



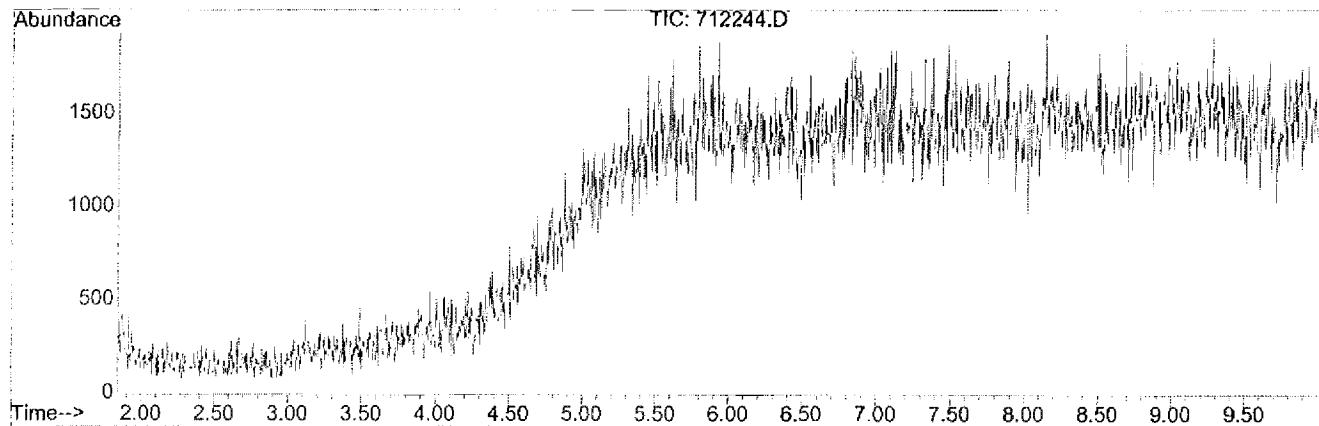
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q2-2010\SYSTEM4\04\_21\_10\712244.D  
Operator : DJR  
Date Acquired : 21 Apr 2010 18:35  
Sample Name : BLANK  
Submitted by : DCS  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*